

* FINISH THESE SURFACES ANSI 250 FINISH IF 'Y' DIM. IS GREATER THAN 2".

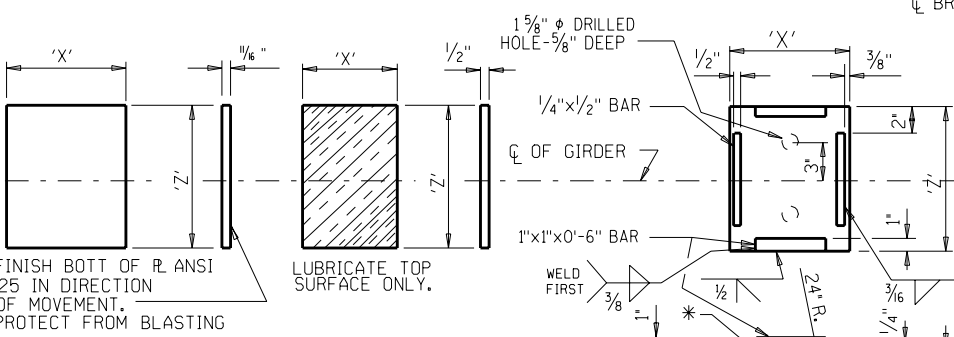


PLATE 'A'
(STAINLESS STEEL)

**LUBRICATED
BRONZE R 'B'**

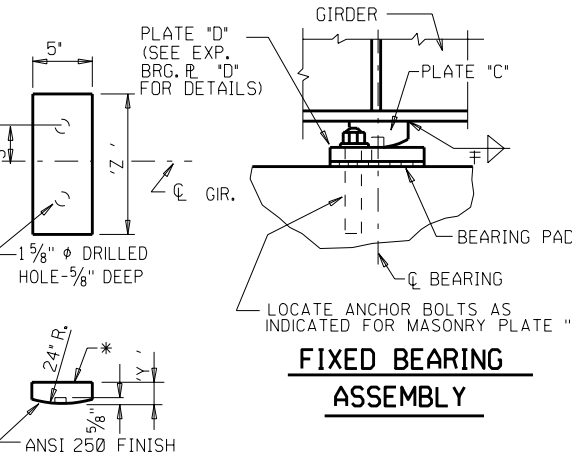
PLATE 'C'

TYPE I

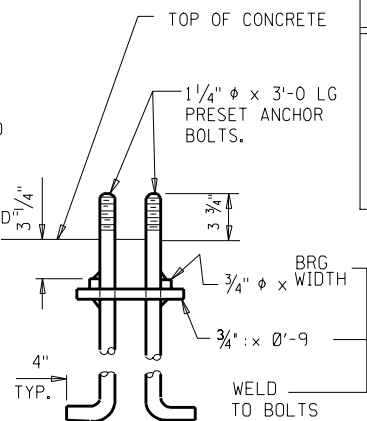
PLATE 'D'

TYPE II

EXPANSION BEARING ASSEMBLY



**FIXED BEARING
ASSEMBLY**

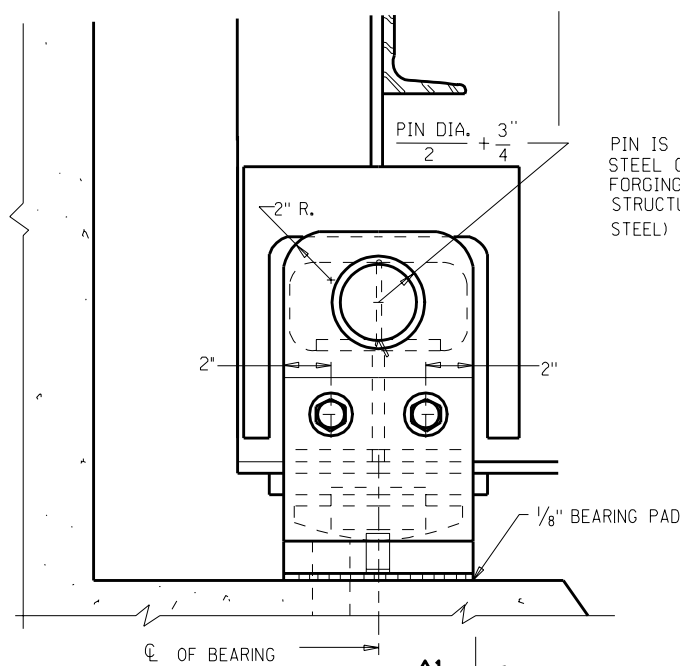


ANCHOR BOLT DETAIL

	PLATE 'A'		PLATE 'B'		PLATE 'C'			PLATE 'D'			PLATE 'D' TYPE	ANCHOR BOLT SIZE	NO. OF BRG'S REQ'D.	LOCATION
	X	Z	X	Z	X	Y	Z	X	Y	Z				
EXPANSION BEARING														
FIXED BEARING														

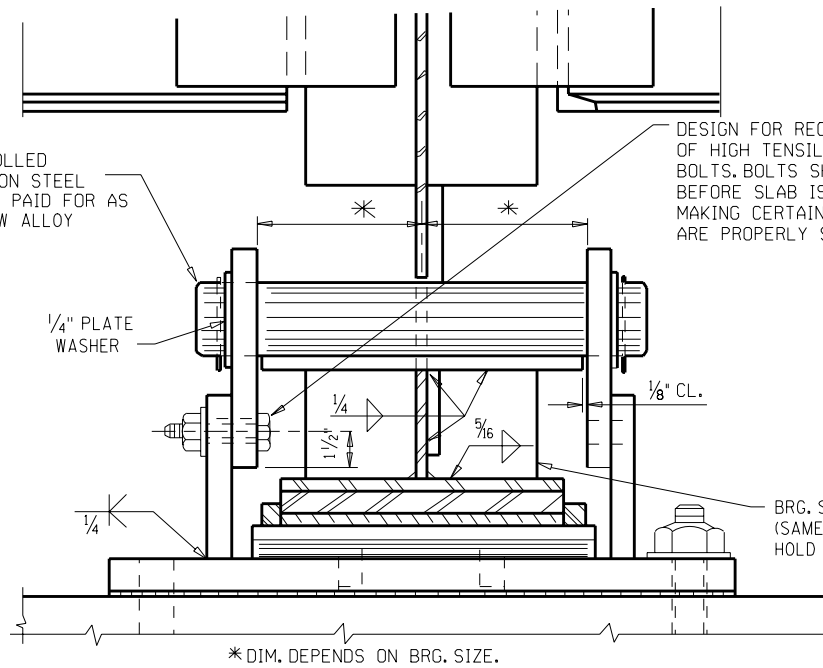
PLATE 'C'

FIXED BEARING



ELEVATION

PERMANENT HOLD DOWN DEVICE



SECTION A1

GIRDER DETAIL

TABLE OF FILLET WELD SIZES

EXCEPT THAT WELD SIZE SHALL NOT EXCEED THICKNESS OF THINNER PART JOINED.

THICKNESS OF THICKER PART JOINED	MIN. SIZE OF FILLET WELD
TO 1/2" INCLUSIVE	3/16"
OVER 1/2" TO 3/4"	1/4"
OVER 3/4" TO 1 1/2"	5/16"
OVER 1 1/2" TO 2 1/4"	3/8"
OVER 2 1/4" TO 6"	1/2"

BEARING NOTES

ALL BEARINGS ARE SYMMETRICAL ABOUT CL OF GIRDER AND CL OF BEARING.

ALL STRUCTURAL STEEL BEARING PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL FINISHED SURFACES SHALL BE MACHINE FINISHED BY AN AUTOMATIC PROCESS.

LOCATE ANCHOR BOLTS AS INDICATED FOR PLATE "D" SEE TABLE FOR SIZE. BOLT LENGTH TO BE 1-5 FOR 1 1/4" AND 1-10 FOR 1 1/2" BOLT. PROJECT ANCHOR BOLTS "D" PLATE THICKNESS + 2 1/4" ABOVE TOP OF CONCRETE.

ANCHOR BOLTS SHALL BE THREADED 3". PROVIDE ONE STANDARD WROUGHT WASHER AND ONE HEXNUT PER BOLT.

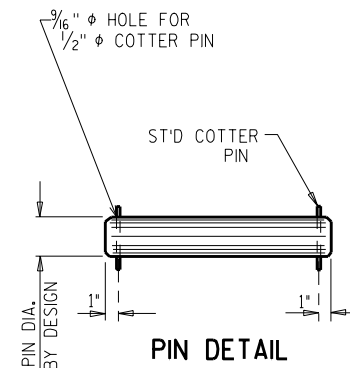
FOR UNPAINTED STRUCTURES THE UPPER 6 INCHES OF THE ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AS REQUIRED BY ASTM DESIGNATION A153, CLASS C OR A164, TYPE GS.

CHAMFER TOP OF PINTLES 1/8". DRILL HOLES FOR PINTLES IN ALL "D" PLATES FOR DRIVING FIT.

ALL MATERIAL INCLUDING SHIMS BUT EXCLUDING ANCHOR BOLTS, PLATE "A", PINTLES, NUTS AND WASHERS SHALL BE MADE OF A588 STEEL. PINTLES SHALL BE MADE OF A449 STEEL.

ALL MATERIAL IN BEARINGS, EXCLUDING BRONZE PLATES AND BEARING PADS SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "HIGH STRENGTH STRUCTURAL STEEL"

PROVIDE 1/8" THICK BEARING PAD SAME SIZE AS PLATE "D" FOR EACH BEARING.



PIN DETAIL

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE			
CONST. SPEC.	1996	DRAWN BY	PLANS CK'D.
BEARING DETAILS			SHEET

FILE= BRHOLDWN.DGN
SCALE = 1/8"